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UNITED STATES PATENT AND TRADEMARK OFFICE

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IDS w/Refers
PATENT

Docket No. 5634.145

Inventors: John C. Harvey and James W. Cuddihy

Serial No.: 08/447,974

Filing Date: May 23, 1995

For: Signal Processing Apparatus and Methods

Group Art Unit: 2602/348

Examiner:

Assistant Commissioner for Patents
Washington D.C. 20231

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56(a) and in conformance with the procedures of 37 C.F.R. §§ 1.97-98 and M.P.E.P. § 609, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449.

The above-referenced application claims priority under 35 U.S.C. § 120 of the following applications:

| <u>Serial No.</u> | <u>Filing Date</u> | <u>Patent No.</u> |
|-------------------|--------------------|-------------------|
| 08/113,329 | August 30, 1993 | Pending |
| 08/056,501 | May 3, 1993 | 5,335,277 |
| 07/849,226 | March 10, 1992 | 5,233,654 |
| 07/588,126 | September 25, 1990 | 5,109,414 |
| 07/096,096 | September 11, 1987 | 4,965,825 |

Applicants believe that all references cited on the attached Form PTO-1449 were submitted to the PTO in co-pending U.S. Patent Application Serial No. 08/448,143, filed 23 May 1995. Therefore, no copies of the listed references are provided herewith.

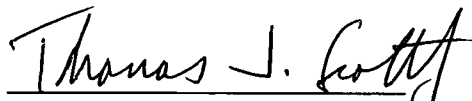
ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MM/

It is respectfully requested that the information above be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

CERTIFICATION AND/OR FEE

Since this IDS is being filed pursuant to 37 C.F.R. § 1.97(b) before the later of three months after the filing date of the above-referenced application or the date of receipt of the first Office Action on the merits, no certification or fee is required.

Respectfully submitted,


Thomas J. Scott, Jr. (Reg. No. 27,836)

Dated: April 4, 1996

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*- If pertinent

***- Claims priority from parent application filed prior to Sep. 11, 1987.

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| Examiner Initial | Document Number | Publication Date | Country | Class / Subclass | Translation | |
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| | | | | | Yes | No |
| | WO 85/03604 | 8/15/85 | PCT Application | H03K 3/84 | | X |
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| | 2 033 699 | 5/21/80 | Great Britain | H04L 1/10, 1/40 | | X |
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